

REMARKS

As a preliminary, Applicants appreciate the Examiner's indication of allowable subject matter contained in claims 2-6. Claim 2 is rewritten in independent form. Accordingly, allowance of claims 2-6 is respectfully requested.

Claim 1 stands rejected under 35 U.S.C. 102(b) as being anticipated by Applicants' Admitted Prior Art (AAPA). In response, Applicants amended claim 1 to clarify that the method includes a step of reducing eccentricity between the disk-shaped medium and the rotary shaft such that directions of eccentricity of the disk-shape medium, the hub and hub unit are calculated on the basis of a first amount of eccentricity between the disk-shaped medium and the hub, a second amount of eccentricity between the hub and the hub adapter, and a third amount of eccentricity between the hub adapter and the rotary shaft, and respectfully traverse the rejection based on this amendment.

In the conventional technology disclosed in the AAPA, a disk-shaped medium is biased or eccentrically positioned with respect to the hub. The hub is biased, in an opposite direction, with respect to a hub adapter. With this arrangement, the disk medium is appropriately aligned with the rotary shaft. Accordingly, the AAPA teaches reducing eccentricity by biasing the disk-shaped medium in the hub in opposite directions.

Therefore, in the conventional technology of the AAPA only the bias directions are adjusted. The AAPA fails to precisely position a disk-shaped medium on a basis of first, second, and third eccentricities as now recited in amended claim 1.

More specifically, the present invention has the center of the disk-shaped medium corresponding to the center of the rotary shaft of the motor on the basis of a first amount of eccentricity between the disk-shaped medium and the hub, a second amount of eccentricity between the hub and the hub adapter, and a third amount of eccentricity between the hub adapter and the rotary shaft. The AAPA cannot calculate each of these eccentricities when the disk-shaped medium and the hub are produced with different processing accuracies, and the amounts of eccentricity thereof cannot be determined because they are merely biased in opposite directions.

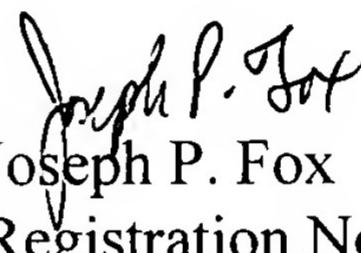
In the present invention, since the first, second and third amounts of eccentricity are calculated, the disk-shaped medium can be securely and correctly positioned. Accordingly, when the inner diameter of the disk-shaped medium and the outer diameter of the hub are different, the present invention can be used to have the center of the disk-shaped medium correspond to the center of the rotary shaft of the motor. Additionally, when the processing accuracies of the disk-shaped medium and the hub are different, the disk-shaped medium can be correctly positioned. Since the AAPA cannot determine eccentricity between the disk-shaped medium and the rotary shaft by calculating the first, second and third amounts of eccentricity as discussed above, withdrawal of the § 102(b) rejection of claim 1 is respectfully requested.

For all of the foregoing reasons, Applicants submit that this Application is in condition for allowance, which is respectfully requested. The Examiner is invited to contact the undersigned attorney if an interview would expedite prosecution.

Respectfully submitted,

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